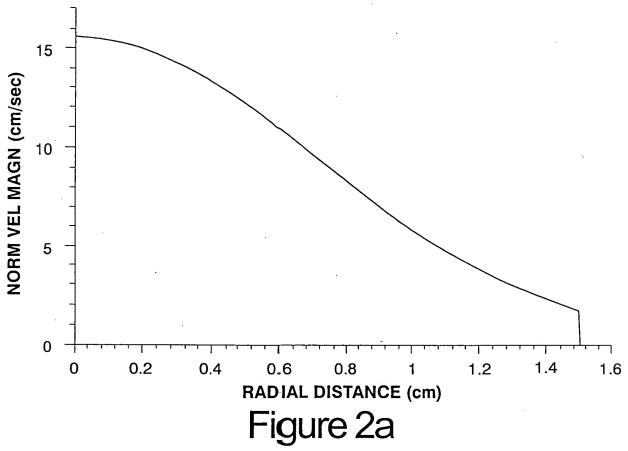
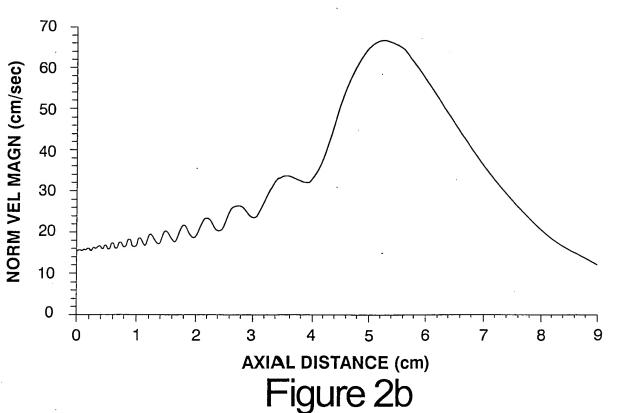


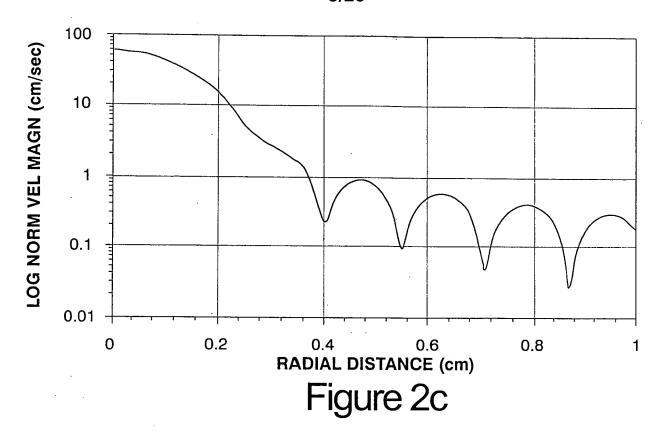
Figure 1

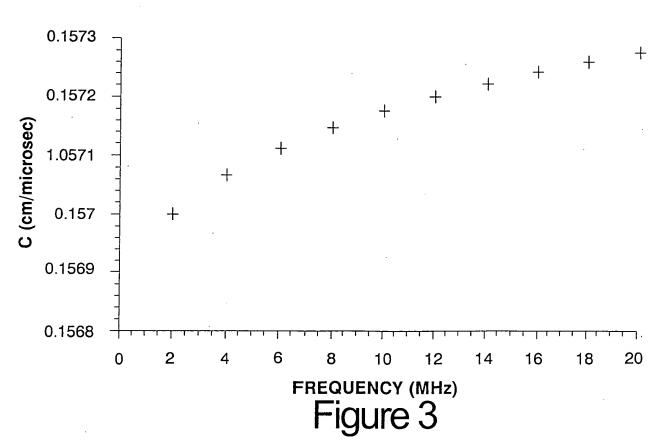
"FINITE AMPLITUDE DISTORTION-BASED INHOMOGENEOUS PULSE ECHO ULTRASONIC IMAGING" Applicant: Ted Christopher



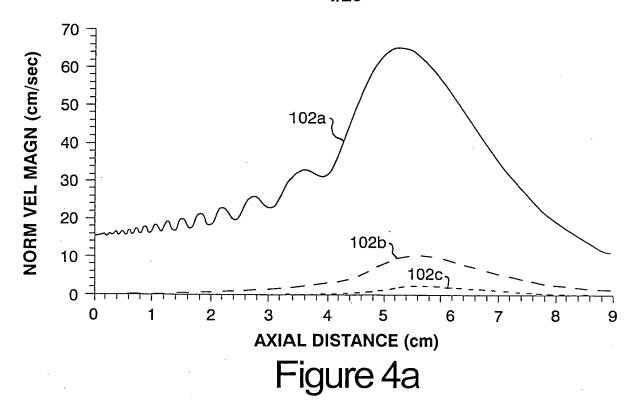


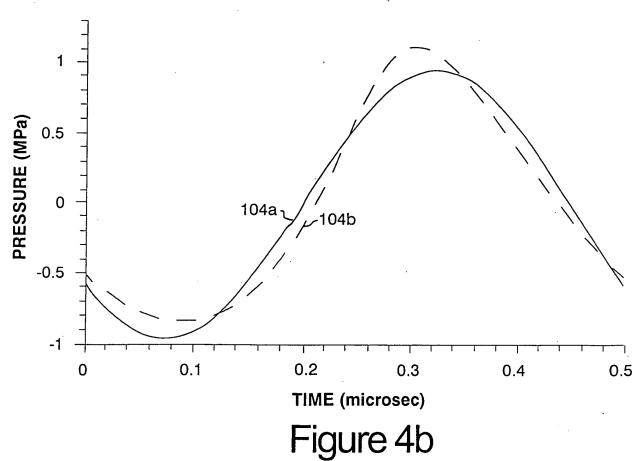
Applicant: Ted Christopher 3/23





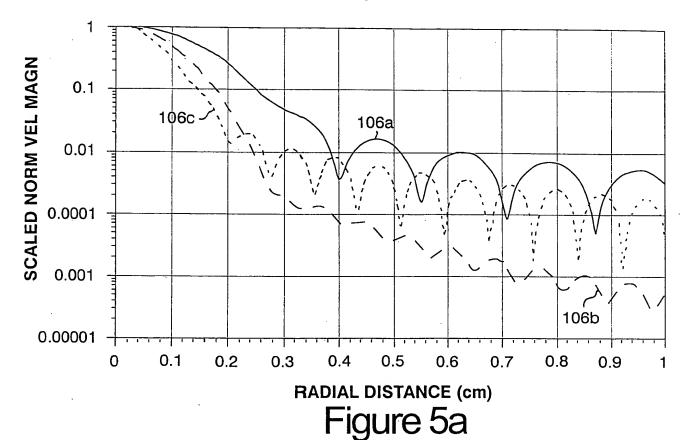
Applicant: Ted Christopher 4/23





Applicant: Ted Christopher

5/23



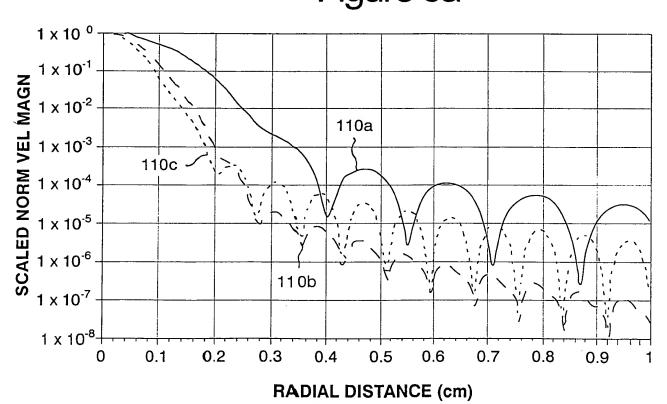
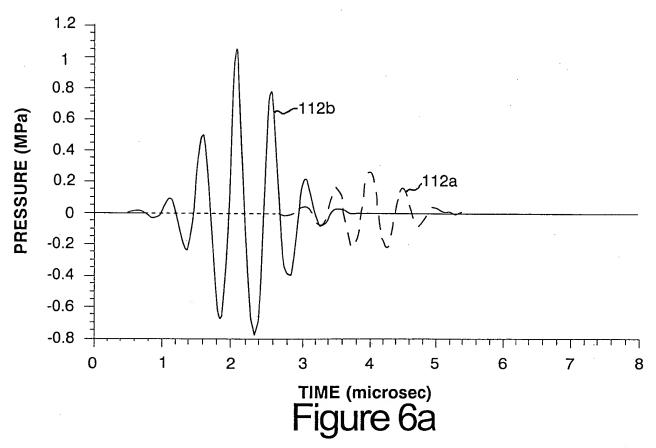
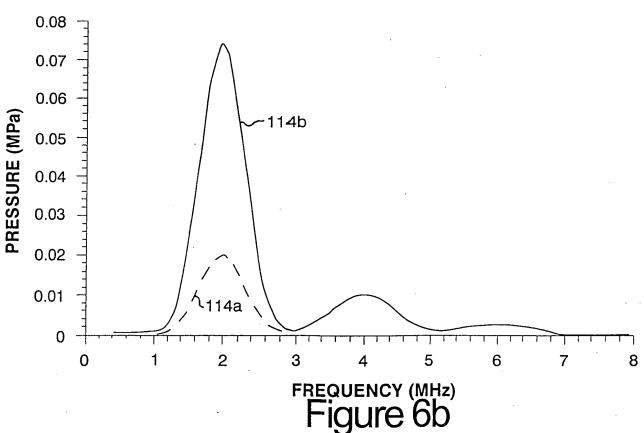


Figure 5b

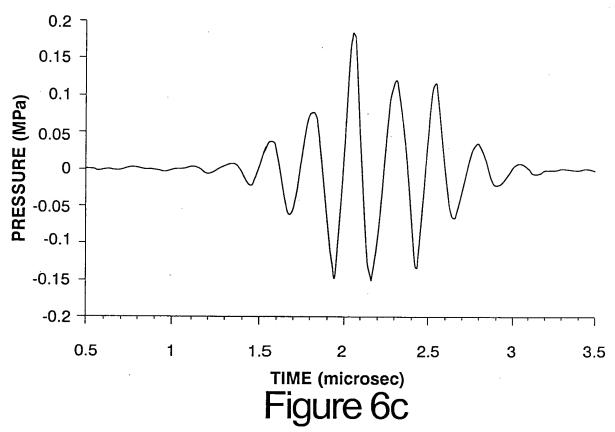
Applicant: Ted Christopher 6/23

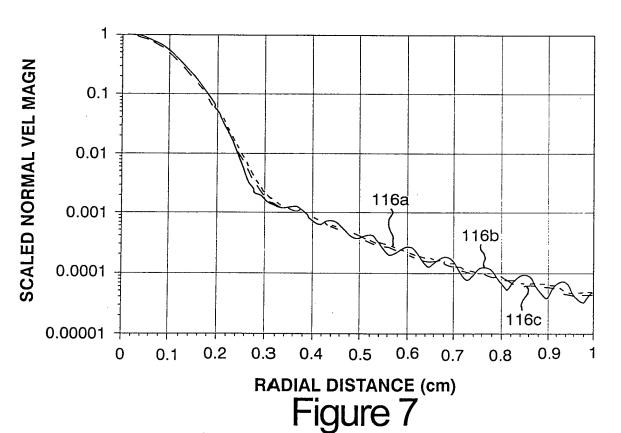




Applicant: Ted Christopher







Applicant: Ted Christopher

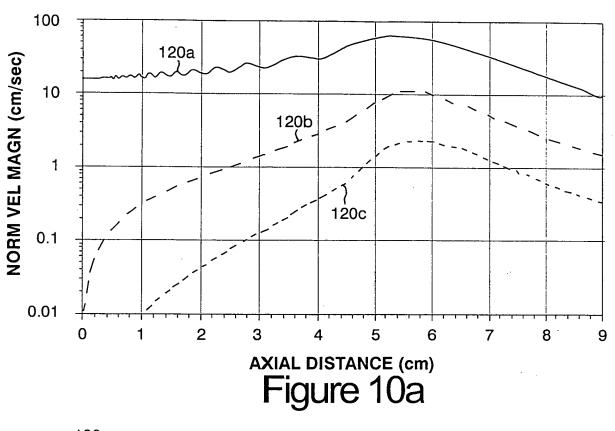
Mechanical Index (min. press.sqrt(f))	0.32	0.43	0.59	0.80	1.06
Minimum pressure at the geometric focus (Mpa)	-0.45	-0.61	-0.84	-1.13	-1.50
Received 3 rd harmonic level (dB)	50.88	45.02	39.23	33.66	28.59
Received 2 nd harmonic level (dB)	26.54	23.64	20.73	17.94	15.37
On-axis Source intensity (RMS w/cm²)	0.5	T	2	4	8

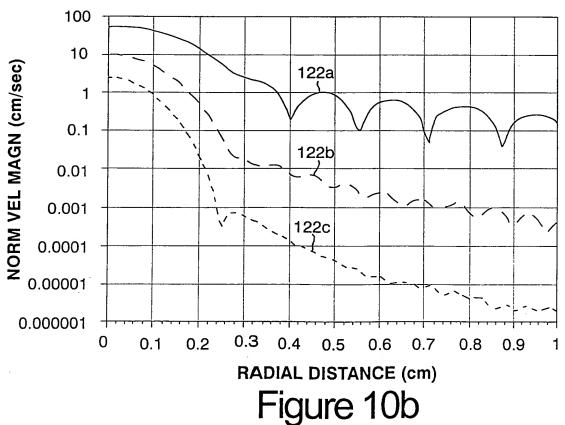
Figure 8

		,			_
Received 2 nd harmonic level (dB)	19.75	20.73	22.53	24.69	27.07
2 nd harmonic level at the focus (dB)	15.99	15.11	15.01	15.29	15.83
Focal length (cm)	4	9	8	10	12

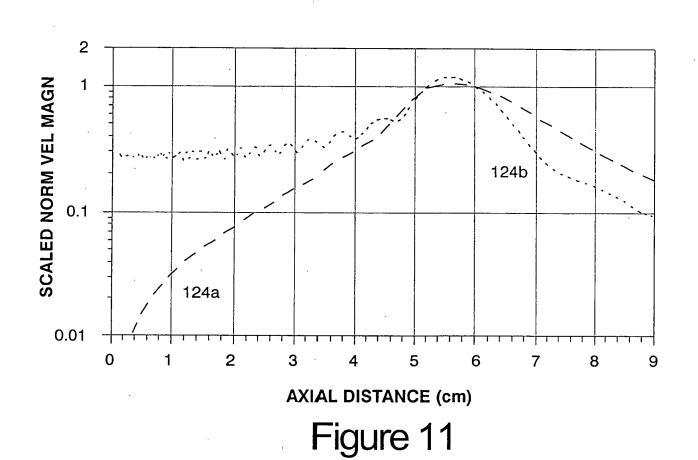
Figure 9

Applicant: Ted Christopher 9/23

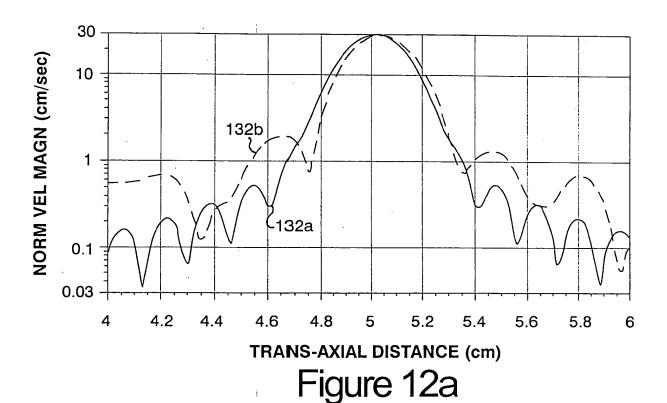


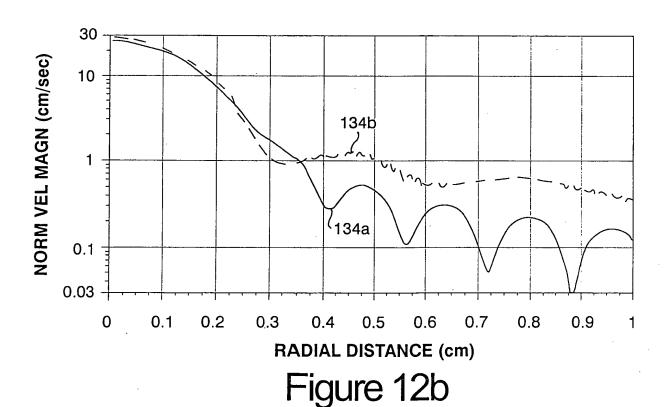


Applicant: Ted Christopher 10/23

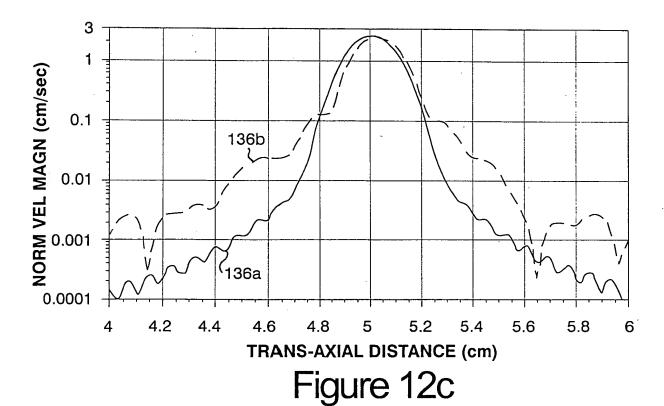


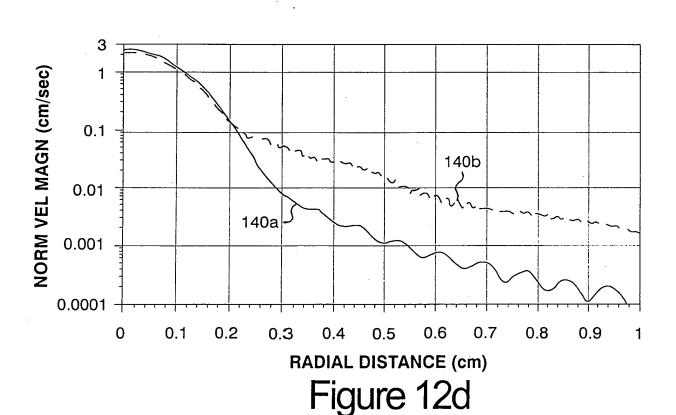
Applicant: Ted Christopher 11/23



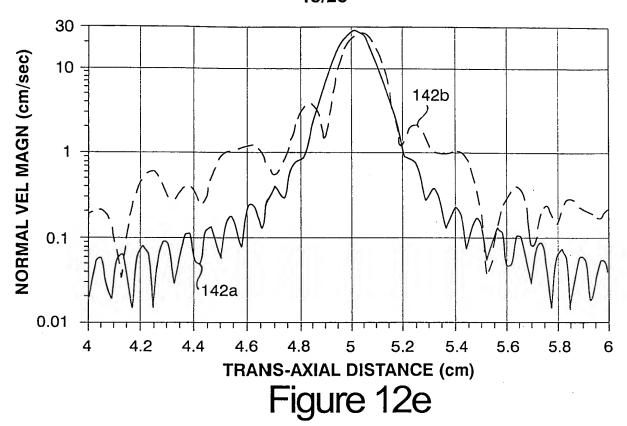


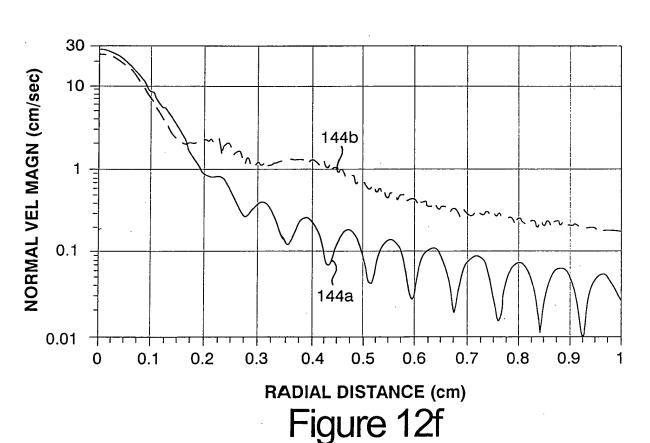
Applicant: Ted Christopher



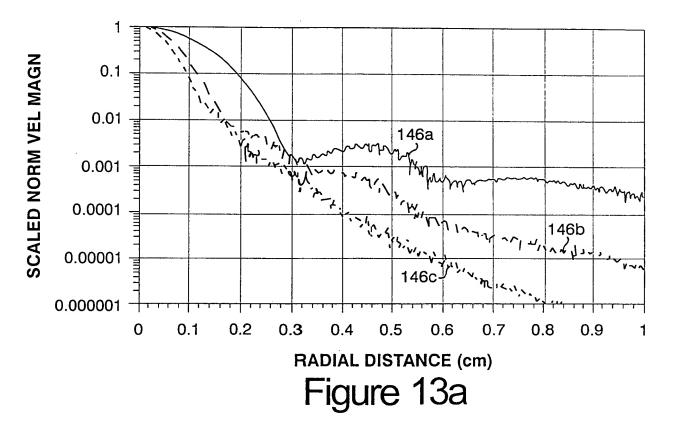


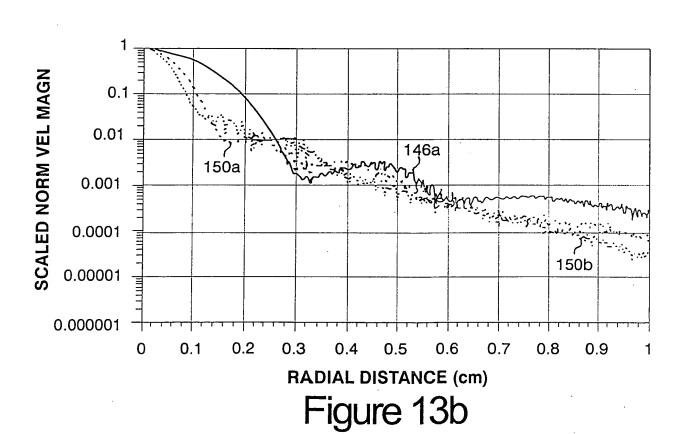
Applicant: Ted Christopher 13/23



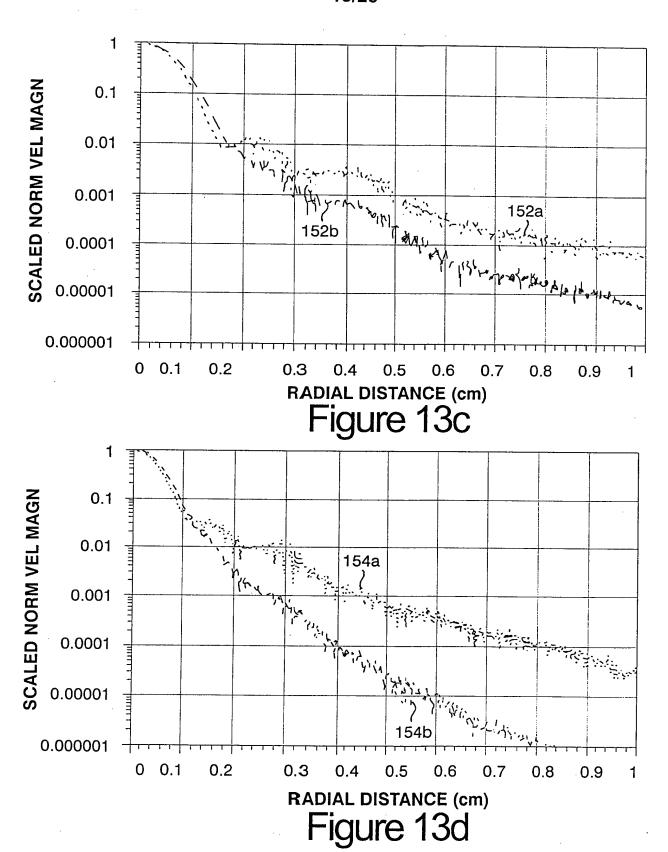


Applicant: Ted Christopher 14/23

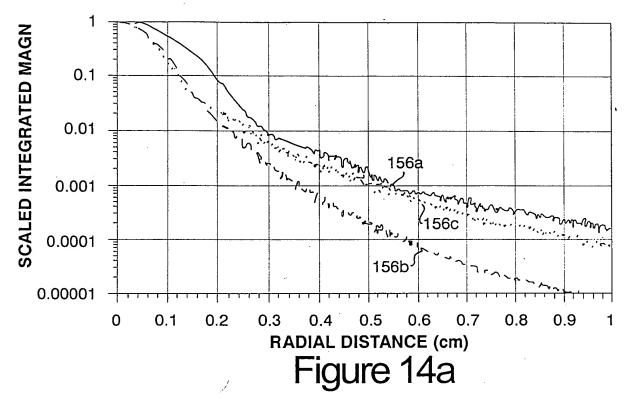


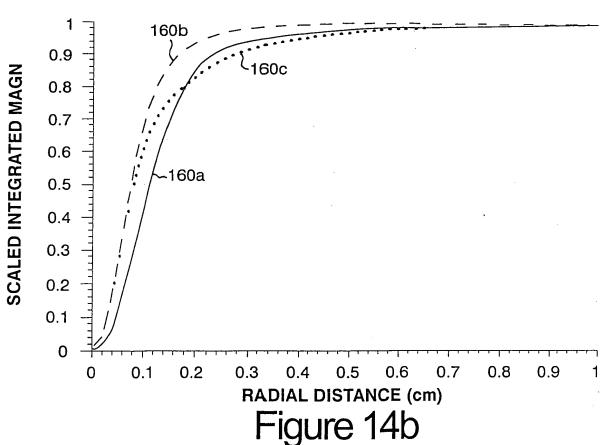


Applicant: Ted Christopher 15/23

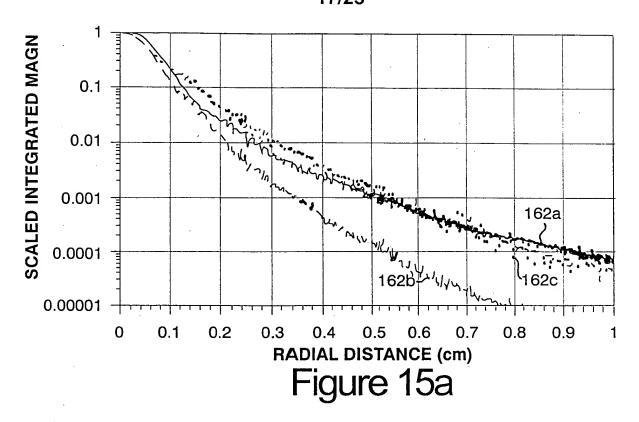


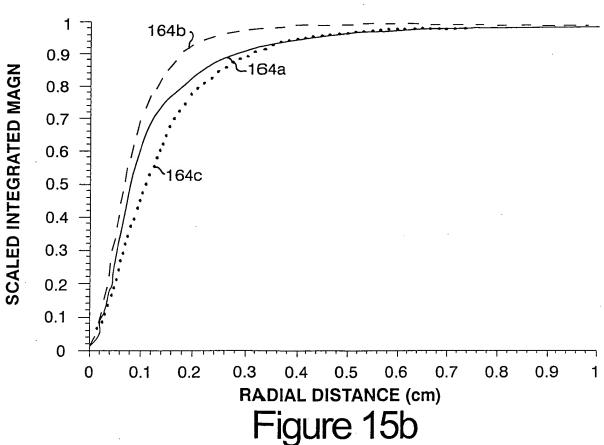
Applicant: Ted Christopher 16/23



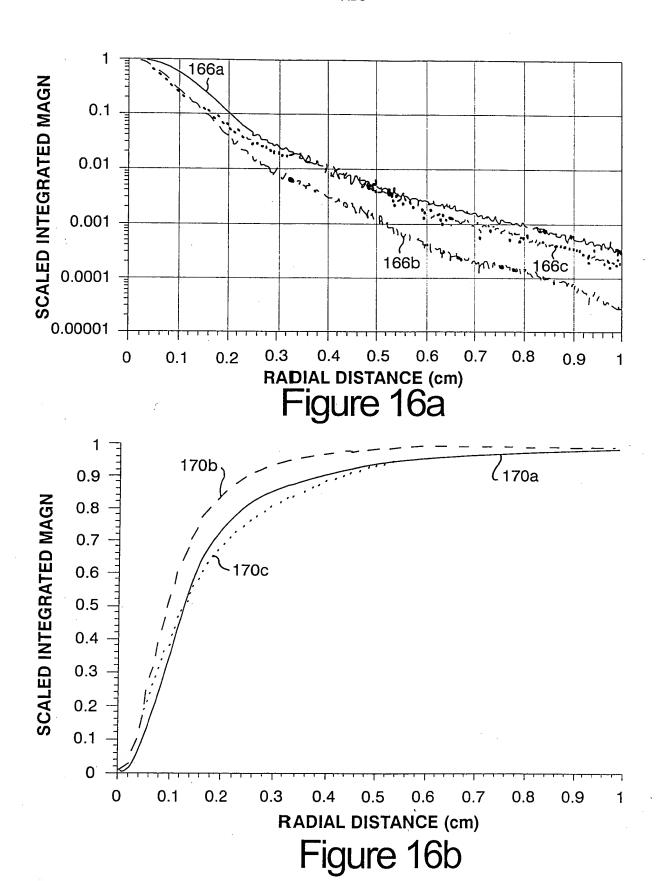


Applicant: Ted Christopher 17/23





Applicant: Ted Christopher



Applicant: Ted Christopher

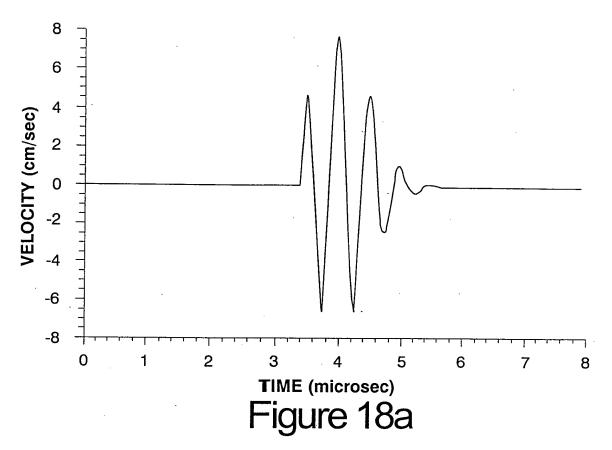
19/23

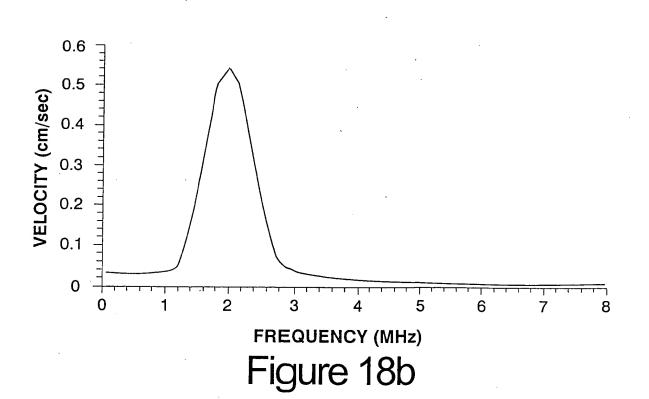
Frequency / Medium	-20 dB full-width(cm)	0.9 Integrated full-width (cm)
2 MHz / ab wall	0.388	0.458
4 MHz / ab wall	0.242	0.542
2 nd har 4 MHz / ab wall	0.258	0.332
8 MHz / ab wall	0.304	0.602
2 nd har 8 MHz / ab wall	0.216	0.338
2 MHz / ab wall	0.406	0.746
4 MHz / ab wall	0.334	0.858
2 nd har 4 MHz / ab wall	0.308	0.504
8 MHz / ab wall	0.462	0.880
2 nd har 8 MHz / ab wall	0.298	0.526

Figure 17

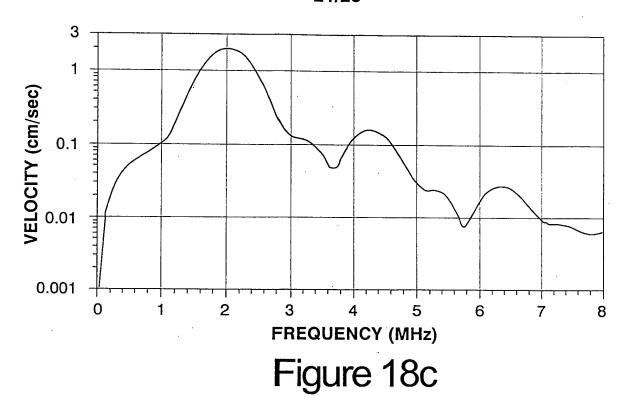
Applicant: Ted Christopher

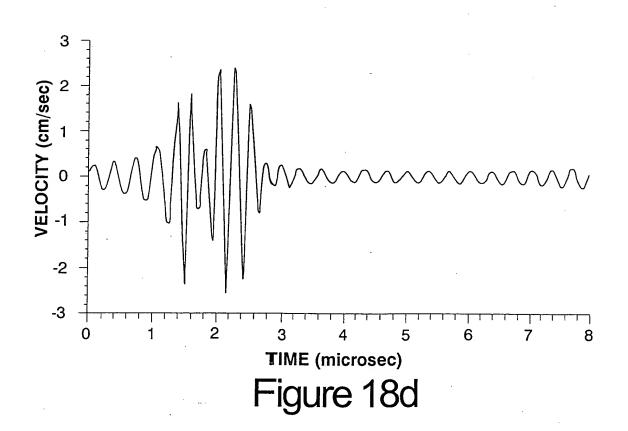




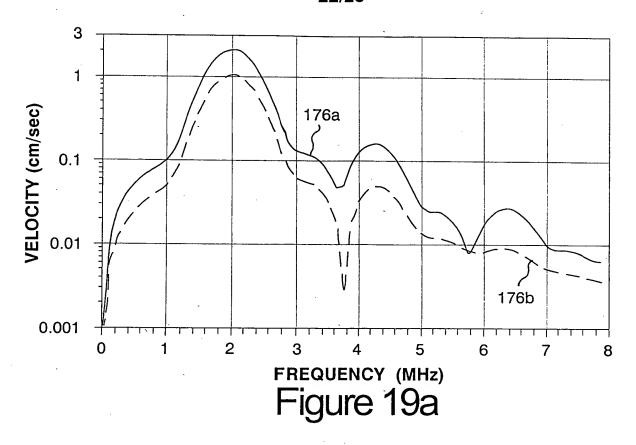


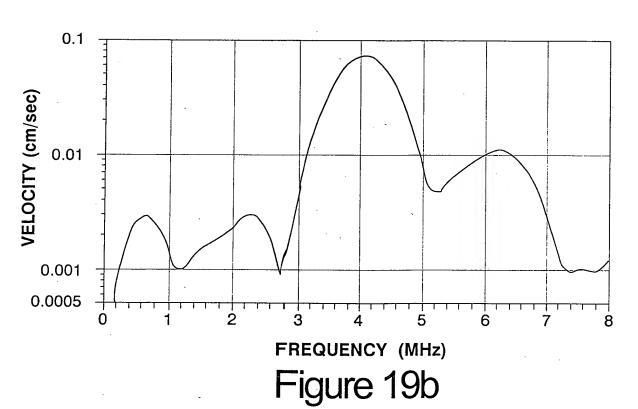
Applicant: Ted Christopher 21/23





Applicant: Ted Christopher 22/23





Applicant: Ted Christopher

